

IN THE SPECIFICATION:

Please rewrite Paragraphs 0047 and 0048 (referring to the paragraph number in the published version of the application) as follows:

--FIG. 1 is a schematic plan view schematically showing an example of a radiation image pick-up device according to a first embodiment of the present invention, FIG. 2 is ~~an equivalent~~ a corresponding circuit diagram of the radiation image pick-up device according to the first embodiment of the present invention, and FIG. 3 is an equivalent circuit diagram of one pixel and a signal reading circuit in the radiation image pick-up device according to the first embodiment of the present invention.

It will be noted that, at the level of detail shown in FIG. 1, the overall structure of this embodiment is like that of the conventional structure shown in FIG. 11. As shown in FIG. 1, the radiation image pick-up device includes a sensor substrate 1 in which a plurality of pixels each having a photoelectric conversion function are disposed, a scanning circuit 2 for scanning the pixels, a signal output circuit 3 for outputting signals from the respective pixels, ICs 4 through which the sensor substrate 1 and the scanning circuit 2 are connected to each other, and ICs 5 through which the sensor substrate 1 and the signal output circuit 3 are connected to each other. --.